



**United States Environmental Protection Agency  
Region 9 Laboratory**

**1337 S. 46th Street Building 201  
Richmond, CA 94804**

**Date:** 2/7/2012

**Subject:** Analytical Testing Results - Project R33911  
SDG: 12032A

**From:** Brenda Bettencourt, Director  
EPA Region 9 Laboratory  
MTS-2

**To:** Richard Fetzer  
US EPA Region 3, Eastern Response Branch  
3HS31

Attached are the results from the analysis of samples from the **Dimock Residential Groundwater** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

**Analyses included in this report:**

Extractable Petroleum Hydrocarbons by  
GC/FID



United States Environmental Protection Agency

Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804

Phone:(510) 412-2300

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Project Manager: Richard Fetzer

Project Number: R33911

Project: Dimock Residential Groundwater

US EPA Region 3, Eastern Response Branch

100 Gypsum Road

Stroudsburg PA, 18360

SDG: 12032A

Reported: 02/07/12 08:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
HW26	1202001-01	Water	01/31/12 10:26	02/01/12 08:00
HW26-P	1202001-02	Water	01/31/12 11:37	02/01/12 08:00
HW35	1202001-03	Water	01/31/12 11:49	02/01/12 08:00
HW13	1202001-04	Water	01/30/12 11:23	02/01/12 08:00
HW18-P	1202001-05	Water	01/30/12 11:52	02/01/12 08:00
HW20	1202001-06	Water	01/30/12 16:12	02/01/12 08:00
HW20-P	1202001-07	Water	01/30/12 16:29	02/01/12 08:00
HW25-P	1202001-08	Water	01/30/12 15:32	02/01/12 08:00
EB01	1202001-09	Water	01/28/12 11:26	02/01/12 08:00
FB06	1202001-10	Water	01/30/12 09:30	02/01/12 08:00
HW18	1202001-11	Water	01/30/12 11:27	02/01/12 08:00

SDG ID 12032A

Work Order(s)

1202001



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**Stroudsburg PA, 18360**

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## Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
<b>Lab ID: 1202001-01</b>						<b>Water - Sampled: 01/31/12 10:26</b>			
<b>Sample ID: HW26</b>						<b>Extractable Petroleum Hydrocarbons by EPA Method 8015B</b>			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0005	02/01/12	02/02/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		90 %		60-127%		"	"	"	
<b>Lab ID: 1202001-02</b>						<b>Water - Sampled: 01/31/12 11:37</b>			
<b>Sample ID: HW26-P</b>						<b>Extractable Petroleum Hydrocarbons by EPA Method 8015B</b>			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0005	02/01/12	02/02/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		96 %		60-127%		"	"	"	
<b>Lab ID: 1202001-03</b>						<b>Water - Sampled: 01/31/12 11:49</b>			
<b>Sample ID: HW35</b>						<b>Extractable Petroleum Hydrocarbons by EPA Method 8015B</b>			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0005	02/01/12	02/02/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		93 %		60-127%		"	"	"	
<b>Lab ID: 1202001-04</b>						<b>Water - Sampled: 01/30/12 11:23</b>			
<b>Sample ID: HW13</b>						<b>Extractable Petroleum Hydrocarbons by EPA Method 8015B</b>			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0005	02/01/12	02/02/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		97 %		60-127%		"	"	"	
<b>Lab ID: 1202001-05</b>						<b>Water - Sampled: 01/30/12 11:52</b>			
<b>Sample ID: HW18-P</b>						<b>Extractable Petroleum Hydrocarbons by EPA Method 8015B</b>			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0005	02/01/12	02/02/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		96 %		60-127%		"	"	"	
<b>Lab ID: 1202001-06</b>						<b>Water - Sampled: 01/30/12 16:12</b>			
<b>Sample ID: HW20</b>						<b>Extractable Petroleum Hydrocarbons by EPA Method 8015B</b>			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0005	02/01/12	02/02/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		96 %		60-127%		"	"	"	
<b>Lab ID: 1202001-07</b>						<b>Water - Sampled: 01/30/12 16:29</b>			
<b>Sample ID: HW20-P</b>						<b>Extractable Petroleum Hydrocarbons by EPA Method 8015B</b>			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0005	02/01/12	02/02/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		101 %		60-127%		"	"	"	
<b>Lab ID: 1202001-08</b>						<b>Water - Sampled: 01/30/12 15:32</b>			



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**Project:** Dimock Residential Groundwater

**US EPA Region 3, Eastern Response Branch**

**100 Gypsum Road**

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**Reported:** 02/07/12 08:00

## Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
<b>Lab ID: 1202001-08</b>						<b>Water - Sampled: 01/30/12 15:32</b>			
<b>Sample ID: HW25-P</b>						<b>Extractable Petroleum Hydrocarbons by EPA Method 8015B</b>			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0005	02/01/12	02/02/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		94 %		60-127%		"	"	"	
<b>Lab ID: 1202001-09</b>						<b>Water - Sampled: 01/28/12 11:26</b>			
<b>Sample ID: EB01</b>						<b>Extractable Petroleum Hydrocarbons by EPA Method 8015B</b>			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0005	02/01/12	02/02/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		89 %		60-127%		"	"	"	
<b>Lab ID: 1202001-10</b>						<b>Water - Sampled: 01/30/12 09:30</b>			
<b>Sample ID: FB06</b>						<b>Extractable Petroleum Hydrocarbons by EPA Method 8015B</b>			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0005	02/01/12	02/02/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		92 %		60-127%		"	"	"	
<b>Lab ID: 1202001-11</b>						<b>Water - Sampled: 01/30/12 11:27</b>			
<b>Sample ID: HW18</b>						<b>Extractable Petroleum Hydrocarbons by EPA Method 8015B</b>			
TPH - Diesel Range Organics		ND	U	240	ug/L	B2B0005	02/01/12	02/02/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	950	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		87 %		60-127%		"	"	"	



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### Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B2B0005 - 3520C CLLE - TPH - Extractable						Prepared: 02/01/12 Analyzed: 02/02/12				
Extractable Petroleum Hydrocarbons by EPA Method 8015B - Quality Control										
Blank (B2B0005-BLK1)										
TPH - Diesel Range Organics	ND	U	250	ug/L						
TPH - Oil Range Organics	ND	U	1,000	"						
Surrogate: Hexacosane	135			"	150		90	60-127		
LCS (B2B0005-BS1)										
TPH - Diesel Range Organics	1,310		250	ug/L	1500		87	54-115		200
Surrogate: Hexacosane	139			"	150		92	60-127		
Matrix Spike (B2B0005-MS1)										
Source: 1202001-03										
TPH - Diesel Range Organics	1,260		250	ug/L	1430	ND	88	67-110		20
Surrogate: Hexacosane	129			"	143		90	60-127		
Matrix Spike Dup (B2B0005-MSD1)										
Source: 1202001-03										
TPH - Diesel Range Organics	1,260		250	ug/L	1440	ND	88	67-110	0.3	20
Surrogate: Hexacosane	131			"	144		91	60-127		



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**Qualifiers and Comments**

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.